

Cable Boxes	<p>The cable box is the name used by some vendors and service providers for a cable modem. They are modems designed for use on a TV coaxial cable circuit. Cable modems can connect to the computer with the standard 10Base -T Ethernet connection, operating at speeds up to 10 Mbps. Cable modems differ from conventional dial-up modems in that they provide greater bandwidth. As with other modems, cable modems are not eligible for discount.</p> <p>If the cable box is part of a coax television system, it is an attachment to the end of the cable and used as a modem, such as for selecting cable channels and would be ineligible for discounts.</p> <p>If the cable box is not used as a cable modem and houses cable such as in Cat-5 cable, the box is considered part of inside wiring, and is eligible for discounts.</p>	Conditional	459 460
Cable Modem	<p>A cable modem is a modem designed for use on a TV coaxial cable circuit. The cable modem is designed to provide asymmetric bandwidth, with more capacity in the direction of the customer premise from the headend equipment. The modem acts to modulate and demodulate the same as a conventional modem.</p> <p>Modems, in any form, have been ruled to be ineligible for discount.</p>	No	460
Call Accounting Systems	<p>Call Accounting Systems provide comprehensive call costing by translating call record detail output based upon a user profile. Call Accounting Systems can be used to provide details on the actual usage of the system for assessing the effectiveness of telephone services or to itemize calls to specific groups, departments or individuals for cost allocation and individual billing purposes. Call accounting systems are not necessary to transport Telecommunications or Internet access to the classroom or publicly accessible rooms of a library, and are not eligible for discount.</p>	No	460

<b>Call Sequencer</b>	A Call Sequencer, also called Automatic Call Sequencer, is a device or adjunct piece of equipment, used with a PBX or Key system. The call sequencer distributes incoming telephone calls among a select number of stations or telephones. It may also be used to answer incoming telephone calls and provide prerecorded announcements to the caller. Some call sequencers are also designed to generate statistical reports on number of calls and how those calls were handled. Call sequencers are not necessary to transport Telecommunications or Internet access to the classroom or publicly accessible rooms of a library, and are not eligible for discount.	No	460
<b>Cartridge Magnetic Tape</b>	Cartridge Magnetic Tape, which holds a magnetic tape of some type and is a storage device, is not eligible for discounts.	No	460
<b>CD Tower</b>	CD ROM Towers are multi-bay CD ROM storage devices used to provide high speed access to text, pictures, video and sound stored on CD ROM discs. Provide in a wide variety of speeds and capacities, CD ROM Towers when used with network servers, offer schools and libraries access to large volumes of data. Storage devices are not eligible for discount.	No	460 461
<b>Channel Service Unit (CSU) Data Service Unit (DSU)</b>	A device to terminate a digital channel at a customer premises. It performs certain line coding, line conditioning and equalization functions, and responds to loop back commands sent from the telephone company central office. A CSU sits between the digital line entering the customer premises from the central office and devices such as channel banks or data communications devices.	Yes	460
<b>Circuit Card</b>	A board with microprocessors, transistors, and other small electronic components. Such a board slides into the slot of a telephone system or personal computer. The circuit card must be a component of an eligible service, or a piece of equipment necessary to transport information to the individual classroom.	Conditional	459 460
<b>CODEC</b>	The coder/decoder, also known as CODEC, is a device comprising an encoder and decoder in the same equipment. The CODEC produces a coded output and compresses and decompresses audio and video signals.	No	460
<b>Communication Server</b>	The communications server is a type of gateway that translates the packetized signals of a LAN to asynchronous signals, usually used on telephone lines. It allows nodes on a LAN to share modems, or host connections.	Yes	459 460

Conduit	<p>Conduit as a means for housing internal connections to operate a local area network is eligible for discounts. This means that the physical casing (known as conduit), and its installation and maintenance, is eligible for discounts, provided that the conduit is used to house facilities that meet the definition of internal connections.</p> <p>Conduit located inside an eligible entity's building (school or library) as well as conduit between eligible buildings located on a single campus (not crossing a public right of way) is eligible for discounts.</p>	Conditional	459
Connector	A device that electrically connects wires or fibers in cable to equipment, or other wires or fibers. A connector at the end of a telephone cable or wire is used to join that cable to another cable with a matching connector or to some other telecommunications device.	Yes	459 460
Console, PBX/Centrex	The operation of a PBX requires the use of a switchboard or console for the transfer of incoming calls to the appropriate extension when systems are not equipped with Direct Inward Dialing. Centrex systems also use a switchboard, or console, for this operation although they are not always required since Centrex provides direct inward dialing capability to the station user.	Yes	459 458
Console with DSS	The operation of a PBX requires the use of a switchboard or console for the transfer of incoming calls to the appropriate extension when systems are not equipped with Direct Inward Dialing. Centrex systems also use a switchboard, or console, for this operation although they are not always required since Centrex provides direct inward dialing capability to the station user.	Yes	459 458
<b>Copper Backbone Cabling</b>	The physical/electrical connections between telecommunications closets and equipment rooms. Cross-connect hardware and cabling in the Main and Intermediate Cross-Connects are considered part of the backbone wiring. This item is covered under Wiring, Internal in the Eligibility List.	Yes	459 460
Coupler	The coupler is the device installed by cable companies that allows users to connect more than one television set to the cable feed entering the premises. If the coupler is part of the installation of coax cable, then the coupler is eligible for discounts. If a part of installation of cable television service, the coupler is not eligible for discounts.	Conditional	459 458

<b>DAT Digital Tape Drive</b>	Digital tape drive is a part of a file server used to store digital data onto digital cassette. It is typically used for back-up purposes and is eligible if used in an eligible server.	Yes	459 460
Data Equipment, Miscellaneous	Including, but not limited To: Channel Banks, Digital Cross Connects and Network Servers (Including Necessary Operational Software),(see Personal Computer)	Yes	458 460
<b>Digital Video Disc (DVD)</b>	Digital Video Discs or DVDs are storage devices similar to CD-ROM discs but able to store much more music, video and data. Their predominant use today is for full motion video. DVDs are not eligible for discount.	No	459 460
<b>Digital Video – Read Only Memory Player</b>	A Digital Video Disc - Read Only Memory or DVD-ROM Player or drive is a device which plays or reproduces the music, voice and/or video from a Digital Video Disc. It is not eligible for discount.	No	459 460
<b>DIMM</b>	DIMM is short for Dual In-line Memory Module, a small circuit board that holds memory chips. A Single In-line Memory Module, or SIMM, has a 32-bit path to the memory chips whereas a DIMM has 64-bit path. Because the Pentium processor requires a 64-bit path to memory, SIMMs are installed two at a time. With DIMMs, it is necessary to install only one DIMM at a time. As a component of an eligible server, the DIMM is eligible.	Yes	459 460
Disaster Recovery	Disaster Recovery, which describes the means of restoring service to a computer network that has suffered a disaster, is not eligible for discounts. Such costs may include the rental of a site that houses links and equipment that is modeled after the network.	No	437
<b>Documentation</b>	Documentation includes support material provided in the form of paper or electronic media. It may include diagrams, blueprints, equipment specifications or instruction manuals for eligible services and products. Documentation is eligible for discount if provided as part of the installation of said equipment or service.	Conditional	459 460
Electronic Library	Electronic Library, which is a searchable version of the reference and periodical sections of a library, is not eligible for discounts. An On-Line Public Access Catalog System is not eligible for discounts.	No	458 459
<b>E911 Reader Board</b>	The E911 Reader Board is adjunct hardware for a PBX and used to access E911 Emergency service.	No	459 460

Electrical System Upgrades		No	FCC Q&A Public Notice July 2, 1997
Enhanced Multimedia Interface (EMMI)	The EMMI is an interface that gives PC and workstation users on ATM networks the ability to send and receive full-motion, high quality video, CD-quality stereo and high speed data. Signals are transformed into ATM cells and transported optically, using the Synchronous Optical Network (SONET) standard.	No	458 459
Ethernet Card	The network card connecting end users on a fast Ethernet LAN. Eligible for switches and hubs, but not if located in the workstation.	Conditional	459 460
Ethernet Converter	The Ethernet converter interfaces between the network and the server, or workstation. The converter eliminates the need for a Network Interface Card (NIC) and plugs directly into a RJ-45 data jack. The converter amplifies the signal received from the network.  The converter is eligible for discount as part of an eligible server. It is not eligible for discount if installed, or used for a workstation.	Conditional	459 460
Ethernet Network Module	The network interface card "NIC" for an Ethernet network. This card allows for the transmittal of messages to and from the Ethernet LAN switches to the end users on the Network. Eligible for switches and hubs, but not if located in the workstation.	Conditional	459 460
Faceplate	A cover that fits around pushbutton or rotary dial phones. Ineligible as described because telephones are not eligible. A cover over an eligible internal connection such as a jack or outlet is eligible.	Conditional	459 460
FAX Machine	Short for facsimile, it is a device in which the image of a document is transferred over the Public Switched Telephone Network and printed out elsewhere. A device used to transmit and receive electronic messages through a phone line connection.	No	460
File Transfer Protocol	File Transfer Protocol, which is used to connect file servers on a LAN, is eligible for discounts.	Yes	460

<b>FRAD</b>	Short for Frame Relay Assembler/Disassembler, the FRAD is a communications device that breaks a data stream into frames for transmission over a Frame Relay network and recreates a data stream from incoming frames. A Frame Relay router serves the same purpose but provides more intelligence in avoiding congestion. As a component of Internal Connections, FRADs are eligible for discount.	Yes	459 460
<b>Graphics Cards / Adapters</b>	A Graphics Card, Graphics Adapter or Video Adapter is a circuit board fitted to a computer, containing the necessary video memory and other electronics to provide a bitmap display. Graphics Cards are eligible for discount so long as they are a component of an eligible server. Graphics Cards used in workstations or end user PCs are ineligible for discount.	Conditional	459 460
<b>Hard Disk Array Control</b>	Several disk drives in a housing are written to in such a way that if a single drive is lost, the data continues to be stored on another drive. It is done in such a way that data is written across multiple drives and can be retrieved by back-up drives, in the event of a failure. This is the same as RAID, or Redundant Array of Independent Disks.	Yes	459 460
<b>Head-End Equipment</b>	Head-End Equipment-CAT/Video, which is the originating point of signal in cable TV systems, is not eligible for discounts.	No	460
<b>Homework Hotline Equipment</b>	Equipment used to provide Homework Hotline, including text to voice translation modules, recording devices, automatic dialers, automatic call directors and others are not eligible for discount. See Telecommunications Services.	No	459 460
<b>Intercom System</b>	Intercom System, which is a stand-alone system and not integral as a bundled component of a PBX, Centrex or key system, is not eligible for discounts.	No	460
<b>Key System KSU</b>	Key System, also known as Com Key System, is a type of phone system that permits more than one telephone line, PBX extension, private line or intercom line to appear on a single telephone, and is conditionally eligible. Only the costs associated with the common control unit and not any costs associate with telephone sets are eligible for discounts.	Conditional	458 459 460

<b>LAN</b>	<p>A LAN is a short distance data communications network used to link together computers and peripheral devices under some form of standard control. The LAN is most often connected by customer provided links, or telecommunications paths, within the same building.</p> <p>The LAN must meet the definition of internal connections which is defined as necessary to transport information all the way to individual classrooms.</p>	Yes	459 460
<b>Laptop Computer</b>	<p>The Laptop Computer is a lightweight portable computer designed for its mobility. Typically, laptop computers contain the same functionality as the traditional desktop models. Laptop computers are eligible for discount <b>only</b> if they are used as an eligible server. However, in most cases laptop computers will not meet the definition of eligible Internal Connections and will be used as workstations which are not eligible for discount.</p>	Conditional	460
<b>Lightning Arrestor</b>	<p>Lightning Arrestor, which protects computer equipment from lightning and static, is not eligible for discounts.</p>	No	459 460
<b>Line Sharing Device</b>	<p>Line Sharing Devices are devices that allow multiple users to share a common network resource in a multipoint environment. The Line Sharing Unit manages the contention of users for the resource, ensures only one user is connected at a time and all users have an opportunity to have access to the resource. A typical application would be a computer with a single communications port, and multiple remote site controllers with individual modems at each location.</p> <p>While modems used with the Line Sharing Unit are not eligible, the Unit is eligible for discount.</p>	Yes	459 460
<b>Mast</b>	<p>A mast is a structure, or pole, on which an antenna is placed. Typically, it is a tall, vertical, sometimes sectioned pole. Masts are not eligible for discount because they do not meet the definition of Internal Connections.</p>	No	459 460
<b>Master Control Unit</b>	<p>A master control unit is usually the device that controls the main operating functions of the system. A MCU in the video-conferencing medium is a Multipoint Control Unit that bridges videoconferencing links together. Video equipment is ineligible for discount.</p>	No	459 460
<b>Media Converter</b>	<p>A media converter is a module that converts media to media for network compatibility. The actual media can be various forms of communication, fiber to copper or stranded pair. FX to TX is a more common translation.</p>	Yes	459 460

<b>Medium Access Unit (MAU)</b>	MAU's are used to terminate each end of a 10Base-T link. As such, it accommodates two wire pairs, one pair for transmitting the Ethernet signal and the other pair for receiving it. The 1-Base-T standard describes seven basic functions performed by the MAU. The transmit, receive, collision detection and loopback functions direct data transfer through the MAU. The jabber detect, signal quality error test and link integrity functions define ancillary services provided by the MAU.	Yes	459 460
<b>Messaging</b>	<p>Messaging, also called Voice Messaging or Voice Mail, allows the user to receive, edit and forward messages to one or more voice mailboxes in a system. Typically, voice mail is provided as an additional feature of a Private Branch Exchange (PBX), or can also be provided by a telephone company as an optional feature to telephone service.</p> <p>Messaging permits the host to post a message that is played to callers to a telephone number, or PBX extension. Callers may then leave recorded messages for the host. Messaging may also be used to broadcast a message to a large number of users within a system.</p>	No	444
<b>Modem</b>	Modems are devices that convert data signals into suitable form for transmission over a communications medium and recovers data from the received communications link. Voiceband modems are a special class of modems that convert data signals into tones within the bandwidth allocated for voice. Digital radio signals use another class of modems to modify a radio frequency carrier to convey a digital information stream. Included in this category are all modems.	No	460
<b>Modem Card</b>	Modem cards are modems in card form that fit into a slot in the computer. Modem cards used for dial up capability are equipped with tip/ring or transmit and receive modules which when connected to a phone line translate the lines analog signal to a digital signal so it can communicate with the computer.	No	460
<b>Modem Eliminator</b>	Modem Eliminator, which is a wiring device used in place of a modem to interconnect cables and devices typically connected by a modem, at distances up to several hundred feet, is not eligible for discounts.	No	460
<b>Monitors</b>	When used with an eligible server, one computer monitor per server is eligible for discount. Monitors used for workstations are not eligible.	Conditional	459 460
<b>MPEG Video Encoder</b>	MPEG Video Encoder is a device similar to a CODEC that converts analog signals to compressed MPEG.	No	460



<b>Multiplexing</b>	<p>A multiplexer is electronic equipment that allows two or more signals to pass over one communications, or bearer circuit. The "circuit" may be a telephone line, dedicated line, microwave circuit, or a through-the-air TV signal. It provides an economic means for the service provider and customer to transport multiple circuits by combining, as an example, up to 24 voice grade circuits on a single bearer circuit.</p> <p>If provided as part of internal connections for a local area network it is eligible. If provided as part of a wide area network, it must meet the rules governing WANs.</p>	Conditional	437 444
<b>Multipoint Control Unit</b>	A Multipoint Control Unit (MCU) is a bridging or switching device used in support of multipoint videoconferencing and supporting as many as 28 conference sites. The device may be in the form of Customer Provided Equipment, or may be embedded in the Wide Area Network in support of carrier based videoconferencing services. Video equipment is not eligible for discount.	No	460
<b>Multiport Serial Cards</b>	A printed circuit card installed in an expansion slot of a computer that changes the parallel internal communications of the computer into the one-bit-at-a-time serial transmission for sending information to peripheral devices such as hard disks, printers, zip drives, video adapter, etc. Multiport serial cards are eligible in servers if the devices they support are eligible.	Conditional	459 460
<b>Network Interface Card (NIC)</b>	An electronic circuit connecting a workstation or server to a network. Usually a card that fits into one of the expansion slots inside a computer. It works with the network software and computer operating system to transmit and receive messages on the network. NICs are eligible if part of an eligible product, or service.	Conditional	459 460
<b>Network Interface Device (NID)</b>	<p>The Network Interface Device, or NID, is a device installed between a telephone network and the inside wire of a customer premises. The NID is generally provided by the telephone company and is the transition, or hand off point between the company's network and the customer's inside wiring.</p> <p>In terms of the "E-Rate" program, it is the beginning of the Internal Connections on the customer's premises. Installed with Telecommunications Services, there is normally no charge for the NID. However, if a cost is associated with the installation of the NID, it is eligible for discount.</p> <p>The NID may be considered part of Telecommunications Services if it is installed coincident with a Telecommunications Service, or as part of Internal Connections.</p>	Conditional	460

<b>Network Management Systems</b>	A system of equipment or software used in monitoring, controlling and managing a data communications network. The system may contain elements such as software, CRT displays and printers, circuitry for diagnostics and reconfiguration of channels, generally housed in an operator console.	No	459 460
<b>On-Line Public Access Catalog System</b>	A system that allows the user to electronically search a library card catalog. On-Line public access catalog systems are storage devices and are not eligible.	No	459 460
<b>Paging Equipment / Systems</b>	<p>Paging equipment typically consists of an amplifier, speakers and a means of accessing the system, such as a dial access unit to a PBX. Paging equipment should not be confused with Paging Service, which is eligible.</p> <p>Paging equipment is not considered telecommunications equipment, or equipment needed to access the Internet.</p>	No	459 460
<b>PC Attendant Console</b>	<p>The PC Attendant Console is an electronic PC (computer) based console used in support of, or in place of, a PBX system. The Console provides the capabilities and features of other attendant consoles, such as call transfers, answer button with queuing, emergency call priority, call waiting count, busy lamp field and many others.</p> <p>One PC Attendant Console qualifies for discount with each eligible PBX, or in place of a PBX system.</p>	Yes	459 460
<b>Personal Computer</b>	Personal Computers, or Workstations, are computers designated, or designed for one person's use. They are distinguished from computers used in the routing of information to individual classrooms.	No	460
<b>Power Conditioner</b>	Power Conditioners, which features both undervoltage and overvoltage regulation and filters undesired noise, is not eligible for discounts.	No	459 460

<b>Power Poles</b>	Power Poles are metal or plastic pipes or poles used for the distribution of Telecommunications and electrical wiring. They are used to carry wire from the ceiling to the floor level and are typically connected to distribution boxes. Power Poles used for the distribution of telecommunications wiring is considered to be an eligible Internal Connection. If used for electrical wiring, the Power Pole is not eligible. If a mixed use, that portion associated with the distribution of electrical wiring must follow existing cost allocations procedures. Those costs associated with the electrical wiring must be excluded.	Conditional	459 460
<b>Power Strips</b>	Power strips are electrical devices considered ineligible for discount. The only exception is if they are a bundled component part of an eligible service or product such as rack mounted power strips. See RACK MOUNTED POWER STRIPS for further information.	Conditional	459 460
<b>Print Server</b>	A print server is a network computer, usually consisting of fixed-disk storage and a CPU, that controls one or more printers that can be shared by users. Print servers may also be a software product.	No	460
<b>Printer</b>	A device, that most commonly accepts computer information and prints it on paper. Printers are not eligible for discount, except those that are provided with a Private Branch Exchange (PBX) for purposes of producing reports directly associated with the operation of the PBX.	Conditional	460
<b>Private Branch Exchange (PBX) (wired &amp; wireless)</b>	A switching system, either manual or dial, usually serving an organization such as a business company or a government agency and usually located on the customer's location. The PBX provides internal station to station dialing and optional access to the public switched network.	Yes	458 460
<b>Processor Terminator Card</b>	The Processor Terminator Card is a device installed in a computer and used to signal the computer that only one processor is installed in a system permitting multiple processors. Systems permitting multiple processors must be equipped with a redundant processor or a Processor Terminator Card. The Processor Terminator Card is eligible if installed in an eligible server.	Conditional	459 460
<b>Programming Charges</b>	Charges for programming of eligible internal connections are eligible for discount to the extent the charges are for the programming of operational software. Only software that is necessary for the operation of the server is eligible for discount. Application software is ineligible, as is its programming charge.	Conditional	451 452 460

<b>Public Address P.A. System</b>	A system that allows the user to make announcements through the use of amplifiers and speakers. Typically, access is provided through a telephone system either manually or automatically by dialing a preassigned number.	No	459 460
<b>Raceway</b>	Raceway, which is a metal or plastic channel used for holding electrical or telephone wire is conditionally eligible for discounts. Raceway located inside an eligible entity's building (school or library) as well as raceway between eligible buildings located on a single campus (not crossing a public right of way) is eligible for discounts. Raceway used for electrical wiring or for Wide Area Network is not eligible for discount.	Conditional	459 460
<b>Rack Mounted Power Strips</b>	Rack mounted power strips are incidental to equipment racks installed to house eligible equipment. Equipment racks are an eligible component of Internal Connections. Power strips are considered eligible only if they are a bundled component part of an eligible service or product.	Conditional	459 460
<b>RAID</b>	Short for Redundant Array of Independent Disks, RAID is a category of disk that employs two or more drives in combination for fault tolerance and performance. RAID disk drives are eligible only if used in an eligible component.	Conditional	459 460
<b>Relay I/O Module</b>	Uninterruptable Power Supply module that integrates full UPS control into dry contact environments such as PBX's.	Yes	459 460
<b>Remote Access Router</b>	A router on a LAN with a digital DSU/CSU built in for dial up or remote access of a network.	No	459 460
<b>Remote Access Server</b>	Multi Protocol remote access server for dial-in, dial-out and LAN to LAN connections over both analog and digital phone lines. This Server provides flexible TCP/IP address assignment schemes for dial-in users and does not limit its use to those meeting the definition of an eligible Internal Connection.	No	459 460
<b>Routers</b>	Routers are switching devices that can act as an interface between two networks and connect different segments such as departments, or floors in a building. Functionally, routers select the routing path for traffic, may provide network management capabilities, such as load balancing and provide trouble shooting diagnostic capabilities.	Yes	460

Satellite Dishes	Satellite Dishes are eligible only if provided as part of Telecommunications Services, or if leased as a component of a Wireless Wide Area Network used to access the Internet.	Conditional	437
SCSI	<p>SCSI or "Scuzzy Disk Drive" is a means, slightly more efficient and faster than a typical IDE hard drive, of getting information into and out of the Microprocessor. It allows devices such as magnetic hard disks, CD-ROM drives and tape drives to interface with the processor. SCSI disk drives usually come with a microprocessor and a termination card.</p> <p>The SCSI is eligible for discount as part of an eligible server. It is not eligible for discount if installed or used for a workstation.</p>	Conditional	459 460
Servers	<p>A computer or device on a network that manages network resources. For example, a file server is a computer and storage device dedicated to storing files. Any user on the network can store files on the server.</p> <p>CD Rom Server</p> <p>Domain Name Server</p> <p>"E" Mail Server</p> <p>File Server</p> <p><b>Communications Server</b></p> <p><b>Terminal Server</b></p> <p><b>Web Server</b></p>	<p>No</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p> <p>Yes</p>	<p>461</p> <p>460</p> <p>460</p> <p>460</p> <p>460</p> <p>460</p> <p>460</p> <p>459, 460</p>
SNMP System Management Module	Simple Network Management Protocol adapter that allows for SNMP to be introduced into the Ethernet network to manage devices and their interaction with TCP/IP.	Yes	459 460

Software	Software is only eligible if provided as a component of an eligible Internal Connection. Software for workstations is not eligible for discount.	Conditional	
	<u>Operational Software</u> – software required for server operations.	Yes	460
	<u>Application Software</u> – software such as word processor, spreadsheet, graphics programs, etc.	No	460
	Browser <sup>6</sup>	No	445
	“E” Mail <sup>7</sup>	Yes	444
	Fire Wall <sup>8</sup>	No	460, 444
	Network Administration Software <sup>9</sup>	No	460
	Network Management Software <sup>10</sup>	No	460
	Web Site Construction Software <sup>11</sup>	No	No
Spare Parts	Spare parts are usually hardware stored in a storage closet and are used to replace hardware on the network that fails. Spare parts are not eligible.	No	459 460
Speakerphone	A telephone, or telephone adjunct, which has a speaker and microphone for two way hands free conversation.	No	459 460
Speakers for PC/File Server	Speakers are eligible when bundled as a component of a file server, or other eligible server.	Conditional	459 460
Surge Protector	A device that sits between the customer provided equipment and the commercial AC power outlet. It is designed to protect the equipment from high voltage spikes, or surges, which might damage the equipment.	No	460

<sup>6</sup> Browsers are provided by Internet Providers. Software additional to that provided in a Bundled Access to the Internet are not subject to discount. (Paragraph 445)

<sup>7</sup> E-Mail Software, which operates an E-Mail server, is eligible for discounts.

<sup>8</sup> A method of protecting one network from another untrusted network. The actual mechanism whereby this is accomplished varies widely, but in principle, the firewall can be thought of as a pair of mechanisms: one which blocks traffic and another which permits it. Firewalls are eligible only if provided as a component of the file server and there is no associated cost. Otherwise firewalls are ineligible.

<sup>9</sup> Network Administration Software (different from network operating software), which provides for minimizing accidental reconfiguration and aiding control of client workstations, is not eligible for discount.

<sup>10</sup> Network Management Software (different from network operating software) specializing in the management of automated hardware and software inventory, configuration management, software metering and auditing and extensive reporting and advanced scripting tools, is not eligible for discount.

<sup>11</sup> Web Site Construction Software is not eligible for discounts.

<b>Switchboard</b>	The operation of a PBX requires the use of a switchboard or console for the transfer of incoming calls to the appropriate extension when systems are not equipped with Direct Inward Dialing. Centrex systems also use a switchboard, or console, for this operation although they are not always required since Centrex provides direct inward dialing capability to the station user.	Yes	458 460
<b>System Improvements and Upgrades</b>	Improvements/upgrades to eligible services are eligible for discounts. Memory upgrades, for example, to computers that act as routers, switches or hubs to transmit information to or from classrooms or libraries are eligible.	Yes	460 497 572
<b>Tape Backup</b>	Magnetic tape usually containing stored data files of a computer network. Files are downloaded to tape via a tape drive and stored. They are used when a computer network loses it's memory, or some other failure of the system occurs. The data can be backed up to tape on a daily or weekly basis depending on how much data is input to the server or CPU.  Tape Backup devices are eligible when used as part of an eligible server. They are not eligible when part of a PC, or workstation. The magnetic tapes, which are expendable items, are only eligible if provided as part of the tape backup unit. The cost of purchasing additional or separate tapes is not eligible.	Conditional	459 460 461
<b>Tape Travan</b>	TR-4 tape used with tape drive on file server. Tapes and other expendable items are not eligible for funding.	No	460 461
<b>Telephone, Telephone Instruments</b>	Telephones, also known as telephone sets, telephone instruments, digital voice terminals, and voice terminals are an assembly of apparatus including a telephone transmitter, a telephone receiver, and usually a switchhook, dial and the immediately associated wiring and components. They are the end user equipment used to transmit and receive Telecommunications between two points. Telephones are not eligible for discount.	No	459 460
<b>Terminal Adapter</b>	The Terminal Adapter (TA) is a device that connects a computer to an external digital communications line, such as an ISDN line. TA's are generally eligible for discount. However, some TA's have dual functionality. They combine the function of a fax modem with an ISDN terminal adapter to create a single device that gives access to any compatible ISDN terminal adapter, modem or fax device through a single ISDN line. Those Terminal Adapters with combined functionality are not eligible for discount.	Conditional	459 460

<b>Terminal Server</b>	A small, specialized network computer that connects many terminals to a LAN through one network connection. A terminal server has a single network interface and multiple ports for terminal connections. It allows many terminals to be connected to a host via a single existing LAN cable, rather than a variety of point to point cables.	Yes	459 460
<b>Transceiver</b>	A transceiver is a device that transmits and receives analog or digital signals. The term is used most frequently to describe the component in local area networks (LANs) that actually applies signals onto the network wire and detects signals passing through the wire. For many LANs, the transceiver is built into the network interface card (NIC), while others require an external transceiver.	Yes	459 460
<b>Two Way Radio</b>	Two way radios are wireless devices used to communicate generally over short distances. Typically, they are considered to be end user hardware. Two way radios are not used to provide Telecommunications Services, and do not meet the definition of an eligible Internal Connections.	No	459 460
<b>TX to FX Converter</b>	The TX to FX Converter is a cable converter that converts copper connection to a fiber connection.	Yes	459 460
<b>Uninterrupted Power Supply (UPS)</b>	A device providing a steady source of electric energy to a piece of equipment. A steady offline UPS normally has the load connected to the AC power supply. When main power fails, it transfers the load without any user intervention. UPS are typically used to provide continuous power in case you lose commercial power. It is a back up device.	Yes	459 460
<b>Universal Box</b>	The Universal Box is the name used by some vendors and service providers for a cable modem. They are modems designed for use on a TV coaxial cable circuit. Cable modems can connect to the computer with the standard 10Base-T Ethernet connection, operating at speeds up to 10 Mbps. Cable modems differ from conventional dial-up modems in that they provide greater bandwidth. As are other modems, cable modems are ineligible for discount.	No	460
<b>UPS Interface Expander</b>	A UPS device which provides two additional ports on an existing UPS system which allows for the management of three servers from one UPS.	Yes	459 460
<b>Video Amplifiers</b>	Video amplifiers and other video equipment are ineligible for funding.	No	460



<b>Video Channel Modulator</b>	Video distribution box, which takes standard video and audio input from video cameras, recorders, security systems, satellite receivers, disk players and video games and distributes the signals to the end user.	No	460
<b>Video Conference Equipment</b>	Equipment used for video conferencing service such as CODEC's, TV, Cameras, etc.	No	460
<b>Voice Compression Module</b>	<p>The Voice Compression Module allows voice and fax traffic to share the same lines as data and LAN traffic. A single Voice Compression Module simultaneously compresses up to 32 channels for transmission over public or private frame relay networks or dedicated leased lines.</p> <p>The Voice Compression Module is an eligible component of Internal Connections as long as it is installed in an eligible component. If installed in a workstation, or personal computer, it is not eligible.</p>	Conditional	460
<b>Video Equipment</b>	Video Equipment is ineligible for discount.	No	460
	<p>Enhanced Multimedia Interface (EMMI)</p> <p>The EMMI is an interface that gives PC and workstation users on ATM networks the ability to send and receive full-motion, high quality video, CD-quality stereo and high speed data. Signals are transformed into ATM cells and transported optically, using the Synchronous Optical Network (SONET) standard.</p>	No	460
	<p>Media Retrieval Equipment</p> <p>Media retrieval equipment is used to capture and record video signal. The system includes a computer, controller for record and playback function and imaging and system control software.</p> <p>The system acquires, digitizes and records video on disk for future use and viewing. The storage device is generally a computer hard drive.</p>	No	460
	<p>Room Design Consulting &amp; System Integration</p> <p>Consulting fees are not eligible for discount. Normally, these charges would be incorporated into the cost of the service, which would be eligible.</p>	No	460
	Television	No	460 461

	Video Camera	No	460 461
	Video CODEC CODEC modem that converts video signals from their analog form to digital signals.	No	460
	Video Group & Desktop Equipment Equipment used to control the programming, distribution, and selection of video conferencing or televisions broadcast.	No	460
	Video Recorders	No	460 461
Voice Mail Service	Voice Mail is a service which allows the user to receive, edit and forward messages to one or more voice mailboxes.	No	444
Voice Messaging	<p>Voice Messaging, also called Voice Mail or Messaging, allows the user to receive, edit and forward messages to one or more voice mailboxes in a system. Typically, voice mail is provided as an additional feature of a Private Branch Exchange (PBX) or can also be provided by a telephone company as a optional feature to telephone service.</p> <p>Voice Messaging permits the host to post a message that is played to callers to a telephone number, or PBX extension. Callers may then leave recorded messages for the host. Voice Messaging may also be used to broadcast a message to a large number of users within a system.</p> <p>Voice Messaging and all related equipment and charges are ineligible for discount.</p>	No	444
Voice/Fax Network Module	Voice/Fax modules are an access product that enables the transmission of multiprotocol data, voice, fax and LAN over frame relay, leased line, DDS or ISDN services. Voice/Fax modules are eligible when used in a file server application.	Conditional	460

<b>Web Server</b>	<p>A web server is a computer which is connected to the Internet or Intranet, stores documents, files and displays them to users when accessing the server via http or hypertext transfer protocol. Web server software loaded onto a file server provides the same function.</p> <p>Every Web server has an IP address and possibly a domain name. The server fetches the page named <i>index.html</i> and sends it to your browser. Any computer can be turned into a Web server by installing server software and connecting the machine to the Internet.</p>	Yes	459 460
<b>Wire Manager</b>	Wire Managers are wire restraints to house/arrange wiring and cabling. They can be aluminum or plastic and may be rack mountable.	Yes	459 460
Wireless PBX Adjunct	An adjunct that functions in conjunction with a Private Branch Exchange, to provide wireless capability to the station end.	Yes	458 460
Wiring, Internal	Including, but not limited to: cable (copper/fiber/coax), bays, jacks, blocks, panels, and terminals. Included in this category is all wiring and cable necessary to transport information all the way to individual classrooms. Wiring may also include Category 5 type of wiring.	Yes	458 459 460

ACCESS TO THE INTERNET			
<b>Bundled Access</b>	Bundled access means the service is being provided as a package of services, which may contain components that are not eligible, or contain content. Bundled access to the Internet is eligible only when there is minimal content and it is the most cost effective means of securing non-content access to the Internet than other non-content alternatives.	Conditional	445
<b>Unbundled Access</b>	Unbundled access to the Internet means the eligible services being provided are available individually and are not a part of a package of services.	Yes	445
<b>Browser</b>	Browser is a generic term for software programs that allow the retrieval and display of documents from the World Wide Web. Also called "clients." Browsers can be graphical, allowing the display of graphic images as well as audio and video files with the appropriate helper applications," or text-based (like Lynx). Browsers are provided by Internet Service Providers as part of the package of services offered to their clients at no additional charge. As with other application software the cost of separate browsers purchased by schools and libraries is not eligible for discount.	Conditional	445 446
<b>Domain Name Registration</b>	Domain Name is the portion of a symbolic name that corresponds to the network number in the IP address. In the symbolic name abc@xyz.org, the domain name is xyz.org.  Domain Name Registration is the registering of the name and the charge associated with the registration process. Domain Name Registration and other Web related charges are eligible for discount, if they are components of services offered by the Internet Provider.	Conditional	445 446
<b>E Mail Account Fees</b>	E-Mail account fees are charges for individual user access to e-mail services provided by the Internet Provider. E-Mail service provided as a service bundled within Internet access is eligible, but a separate charge for individual users to access the E-Mail service is not eligible. As an example, 5,000 E-mail account fees would not be considered eligible.	No	444
<b>E-Mail Service</b>	E-Mail Service, which provides for the transmission of simple text messages and other embedded data, is eligible for discount.	Yes	444

<b>Filtering Service</b>	Filtering is software or combination software/firmware that protects users from dangerous or inappropriate content on the Internet by blocking Web, FTP and Gopher sites. In this context it is provided by an Internet provider as a monthly service. Filtering is not eligible for discount, whether as a service or if purchased software.	No	444 460
<b>Firewall Service</b>	Firewall Service is a commercially available service provided by a Telecommunications or Internet provider that provides a firewall functionality. Firewall Software in a client's equipment is only eligible if provided as a component of a file server that incurs no identifiable cost and cannot be unbundled.	Conditional	444 460
<b>Internet Content</b>	A service separate from an Internet access where a user can obtain information on a wide variety of topics. Subscription to these services typically requires additional charges to the user. Examples include electronic libraries and on line news services.	No	444
<b>Internet Training</b>	Internet training provided for personnel in ineligible.	No	FCC Q&A Public Notice July 2, 1997
<b>Satellite Access to Internet</b>	<p>The service provides a means of receiving and transmitting information from and to an Internet Service Provider (ISP) via satellite. The connection to the ISP can be accomplished through the use of a dial up line, or dedicated facility, equipped with a modem. The service is eligible for discount if it is part of a bundled Internet service offering and does not include the satellite dish, or modem.</p> <p>When provided as a component of a Wireless Wide Area Network and used exclusively for accessing the Internet, the satellite dish is eligible, but only if leased.</p>	Conditional	444 562
<b>Web Site Creation Fee</b>	A separate fee for creating a website or setting up a web address. This service is sometimes offered as a bundled part of an IP's internet access at no extra cost to the end user. When bundled the service is eligible. If listed separately, with an associated cost, it is not eligible. Website software, as a component of Internal Connections is also not eligible.	Conditional	444 445

MISCELLANEOUS			
<b>Bid Bond</b>	A Bid is a bond, which is generally obtained by a vendor or contractor from a third party, that guarantees the terms of the contract or agreement are met. In the event of default or failure to meet the terms, the bond would be used to complete the contracted work.	No	459 460
<b>Consulting Services</b>	The cost associated with services provided by consultants retained to assist schools and libraries.	No	459 460
<b>Direct Broadcast Satellite (DBS)</b>	Direct Broadcast Satellite (DBS) is a digital system that uses satellite to transmit TV programs to its subscribers. The transmitted signals are received using individual roof top antennas. Program reception of the subscriber is limited to those channels broadcast by a specific provider.	No	431
<b>Electronic Library</b>	Searchable version of the reference and periodical sections of local public library. It indexes and archives magazine and newspaper articles, several encyclopedias, maps, books and television transcripts. Storage devices are not eligible for discount. See Internet content for additional information.	No	460 461
<b>Finance Charges</b>	Finance charges are those charges assessed by third party entities for loans to fund the lease or purchase of items that would normally be eligible for funding.	No	431 459 460
<b>Freight Assurance Fees</b>	Freight assurance fees are fees assessed to the purchaser for the guarantee of safe delivery to their premises of goods. More clearly stated it is shipping insurance. Freight assurance fees are eligible for discount.	Yes	459 460
<b>Interest Charges</b>	Interest charges are those charges assessed by third party entities for loans to fund the lease or purchase of items that would normally be eligible for funding. Interest charges are not eligible for discount.	No	431 459 460
<b>Labor</b>	The labor charges incurred for the installation and contractual maintenance of eligible Telecommunications Services, Internal Connections and Internet Access are eligible for discount. No personnel costs, fees or salaries incurred by schools and libraries are eligible for discounts. The Service Category used for labor should reflect the same service category of the product, or service being installed or maintained.	Yes	450 451 459 460
<b>Leasing Fees</b>	Leasing fees charged for the leasing of eligible services and products. Finance charges associated with leasing are not eligible.	Yes	459 460
<b>Maintenance &amp;</b>	Installation, Labor and Maintenance Agreement (contract or	Conditional	450

<b>Installation</b>	tariff) fees -The charges incurred for the installation and contractual maintenance of eligible Telecommunications Services, Internal Connections and Internet Access are eligible for discount. No personnel costs, fees or salaries incurred by schools and libraries are eligible for discounts. The charges incurred for the maintenance and installation performed on eligible Telecommunications Services, Internal Connections and Internet Access on a time and material basis are eligible for discount. The Service Category used for Maintenance & Installation should reflect the Service Category of the product or service being installed or maintained. As an example, if the service being installed is a Telecommunications Service, then the installation should also reflect that same category, Telecommunications Service.		451 452 459 460
<b>Metropolitan Area Network (MAN)</b>	<p>Metropolitan Area Network (MAN) is a data network designed for a town or city. In terms of geographic breadth, MANs are larger than Local Area Networks (LANs) but smaller than Wide Area Networks (WANs). MANs are usually characterized by connections using fiber high-speed optic cable or other digital media. In terms of the "E-Rate" program, a MAN and WAN are considered the same</p> <p>The cost of purchasing MANs, as is the WAN, to provide Telecommunications Service is not eligible for support. However, schools and libraries are not precluded from receiving support for a metropolitan area network run over leased telephone lines because such an arrangement constitutes a Telecommunications Service.</p>	Conditional	458  Fourth Recon. Order 193 210
<b>Per Diem</b>	Per Diem is a dollar amount designated to a vendor for daily expenses such as lodging and food. It may or may not include travel time. It is eligible for funding if a contract with a vendor stipulates, or allows, for per diem. It is not eligible if it is not part of a contract or bid.	Conditional	450 451 459 460
<b>Performance Bond</b>	A Performance Bond is a bond, generally obtained by the vendor or contractor from a third party, that guarantees the terms of the contract or agreement are met. In the event of default or failure to meet the terms, the bond would be used to complete the contracted work.	No	459 460
<b>Personnel Costs</b>	Personnel costs for various eligible services incurred by an eligible entity are ineligible for discounts.	No	437

Satellite Dishes	Satellite dishes are eligible as Internal Connections only if they are leased as part of Telecommunications Services, or leased as part of a Wireless Wide Area Network used to transmit access to the Internet. They are not an eligible component of Internal Connections if used as part of a Wide Area Network used for the transmission voice and data, or if purchased.	Conditional	562 624 748
Tape Drive Tapes	Magnetic tapes used to record and store database content from the tape drive. The tapes are expendable items that are not eligible for discount.	No	459 460
Taxes, Surcharges and Access Charges	All reasonable charges including federal taxes and state taxes that are incurred in obtaining eligible Telecommunications Services, Internet access and internal connections are eligible. Charges for termination liability, penalty surcharges and other charges not included in the cost of obtaining eligible services will not be supported.	Conditional	431 436 450
Teacher Training	Costs associated with teacher training are not eligible.	No	FCC Q&A Public Notice July 2, 1997
Travel Time	The cost of travel to and from a work site is eligible for discount so long as a contract with a vendor stipulates, or allows travel time. It is not eligible if it is not part of a contract or bid.	Conditional	450 451 459 460
Wide Area Network (WAN)	<p>A WAN is a data communications network typically extending a LAN outside a building, over links to other LANs in remote buildings in other cities. Typically, the links are lines provided by common carriers such as the local telephone company or long distance carrier.</p> <p>The cost of purchasing, or building WANs to provide Telecommunications Services is not eligible for support. However, schools and libraries are not precluded from receiving support for a wide area network run over leased telephone lines because such an arrangement constitutes a Telecommunications Service. They may also receive support for WANs used for accessing the Internet if leased from a Telecommunications Service provider or a non-common carrier.</p>	Conditional	458  Fourth Recon. Order 193 210